MITSUBISHI ELECTRIC

Mr.SLIM®
Split-ductless A/C and Heat Pumps

SUBMITTAL DATA: SLZ-KA09NA & SUZ-KA09NA

9,000 BTU/H CEILING-CASSETTE HEAT-PUMP SYSTEMS

Job Name: Location: Date:

Purchaser: Engineer:

Submitted to: For ☐ Reference ☐ Approval ☐ Construction

System Designation: Schedule No.:

GENERAL FEATURES

- Four-way 2'x2' ceiling-cassette indoor unit for residential applications
- Built-in drain mechanism for condensate removal; lifts to 19-11/16"
- Setback down to 50°F when used with MRCH1 Central Controller
- Wide air-flow pattern for better air distribution
- Design features ventilation air intake knockout
- Long-life air filter included with indoor unit
- Indoor unit powered from outdoor unit using A-Control
- Automatic fan speed control; auto restart following a power outage
- Limited warranty: five years on parts/defects, seven years on compressors

OPTIONAL ACCESSORIES

Indoor Unit

☐ Grille (SLP-15AAUW; required - shipped with unit)

Outdoor Unit

☐ Drain Pan Heater (MAC-640BH-U)
☐ Drain Socket (MAC-860DS)
☐ Three-pole Disconnect Switch (TAZ-MS303)
☐ Air Outlet Guide (MAC-856SG)
☐ Mounting Base (DSD-400N)
☐ Mounting Pad (ULTRILITE1)

Controller Options

☐ Wireless Remote Controller Kit (MHK1) with Wall-mounted Central Controller (MRCH1), Wireless Receiver (MIFH1), and cable*
☐ Wall-mounted Central Controller (MRCH1)*
☐ Wireless Receiver (MIFH1)*
☐ Portable Central Controller (MCCH1; for use with Wireless Remote Controller Kit MHK1)*
☐ Outdoor Air Sensor (MOS1; for use with Central Controller (MRCH1), Wireless Remote Controller Kit (MHK1) and Portable Central Controller (MCCH1)*

*See Submittal for information on each option.

☐ Wall-mounted Wired Remote Controller (PAR-21MAA)
☐ M-NET Control Adapter (MAC-399IF)
☐ Remote Temperature Sensor (M21-JKO-307)
☐ Handheld Wireless Remote Controller (PAR-FL32MA; req. PAR-SA9FA)
☐ Receiver Kit for PAR-FL32MA Handheld Wireless Remote Controller (PAR-SA9FA)
☐ Lockdown Bracket for Handheld Controller (RCMKP1CB)

Cooling*

Rated Capacity . . . . . 8,400 Btu/h
Minimum to Maximum Capacity Range . . . . . 3,100 - 10,900 Btu/h
SEER . . . . . 15.0 Btu/h/W
EER . . . . . 12.0 Btu/h/W
Total Input . . . . . 700 W

Heating at 47°F*

Rated Capacity . . . . . 10,900 Btu/h
Minimum to Maximum Capacity Range . . . . . 3,100 - 14,100 Btu/h
HSPF . . . . . 9.6 Btu/h/W
COP 3.44
Total Input . . . . . 930 W

Heating at 17°F*

Rated Capacity . . . . . 6,200 Btu/h
Rated Total Input . . . . . 740 W
COP 2.46
Maximum Capacity . . . . . 8,300 Btu/h
Maximum Total Input . . . . . 1,040 W

* Rating Conditions (Cooling) - Indoor: 80°F (27°C) DB, 67°F (19°C) WB; Outdoor: 95°F (35°C) DB, 75°F (24°C) WB.
(Heating at 47°F) - Indoor: 70°F (21°C) DB, 60°F (16°C) WB; Outdoor: 47°F (8°C) DB, 43°F (6°C) WB.
(Heating at 17°F) - Indoor: 70°F (21°C) DB, 60°F (16°C) WB; Outdoor: 17°F (-8°C) DB, 15°F (-9°C) WB.

Electrical Requirements

Power Supply . . . . . 208 / 230V, 1-Phase, 60 Hz
Recommended Fuse/Breaker Size . . . . . 15 A

Voltage

Indoor - Outdoor S1-S2 . . . . . AC 208 / 230V
Indoor - Outdoor S2-S3 . . . . . DC 12-24V

OPERATING CONDITIONS

		Indoor Intake Air Temp.	Outdoor Intake Air Temp.
Cooling	Maximum	95°F (35°C) DB, 71°F (22°C) WB	115°F (46°C) DB
	Minimum	67°F (19°C) DB, 57°F (14°C) WB	14°F (-10°C) DB
Heating	Maximum	80°F (27°C) DB, 67°F (19°C) WB	75°F (24°C) DB, 65°F (18°C) WB
	Minimum	70°F (21°C) DB, 60°F (16°C) WB	-4°F (-20°C) DB, -5°F (-21°C) WB

Indoor Unit: SLZ-KA09NA

Outdoor Unit: SUZ-KA09NA

ENERGY STAR

Indoor Unit

MCA . . . . . 1 A
Fan Motor Output . . . . . 15 W
Fan Motor . . . . . 0.23 F.L.A.
Airflow (Lo - Med - Hi) . . . . . 280 - 320 - 350 Dry CFM
250 - 290 - 320 Wet CFM
Air Filter . . . . . Polypropylene Honeycomb
Sound Pressure Level (Lo - Med - Hi) . . . . . 29 - 32 - 38 dB(A)

DIMENSIONS	UNIT INCHES / MM	GRILLE INCHES / MM
W	22-7/16 / 570	25-5/8 / 650
D	22-7/16 / 570	25-5/8 / 650
H	8-3/16 / 208	13/16 / 19

Weight (Unit/Grille)
Lbs. . . . . 36 / 7
kg . . . . . 16 / 3
External Finish (Unit/Grille) . . . . . Galvanized-steel Sheets / Munsell 6.4Y 8.9 / 0.4
Field Drainpipe Size O.D. . . . . 1-1/4" / 32 mm

Outdoor Unit

Compressor . . . . . DC Inverter-driven
MCA . . . . . 12 A
MOCP . . . . . 15 A
Fan Motor . . . . . 0.50 F.L.A.
Sound Pressure Level
Cooling . . . . . 46 dB(A)
Heating . . . . . 50 dB(A)

DIMENSIONS	INCHES / MM
W	31-1/2 / 800
D	11-1/4 / 285
H	21-5/8 / 550

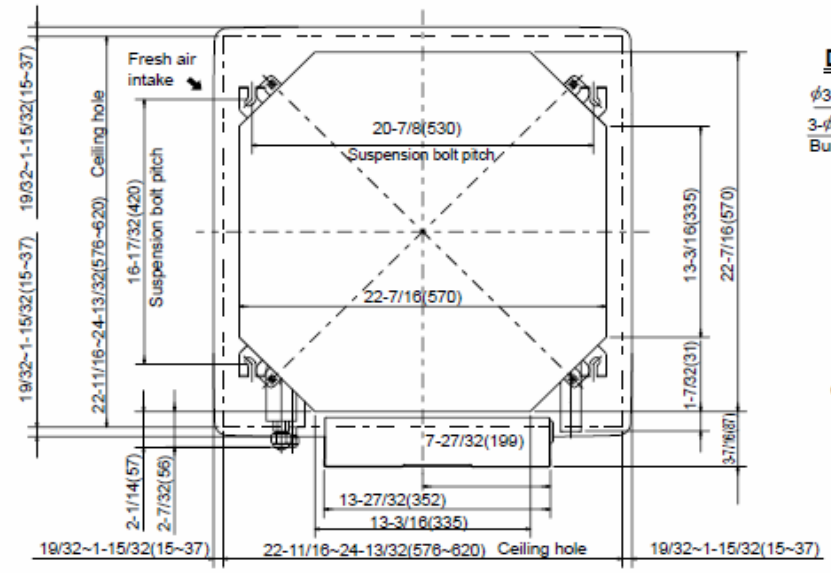
Weight . . . . . 66 lbs. / 30 kg
External Finish . . . . . Munsell No. 3Y 7.8 / 1.1
Refrigerant Type R410A
Refrigerant Pipe Size O.D.
Gas Side . . . . . 3/8" / 9.52 mm
Liquid Side . . . . . 1/4" / 6.35 mm
Max. Refrigerant Pipe Length . . . . . 65' / 19 m
Max. Refrigerant Pipe Height Difference . . . . . 40' / 12 m
Connection Method . . . . . Flared

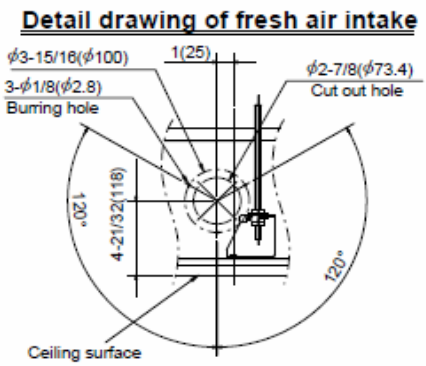
R410A

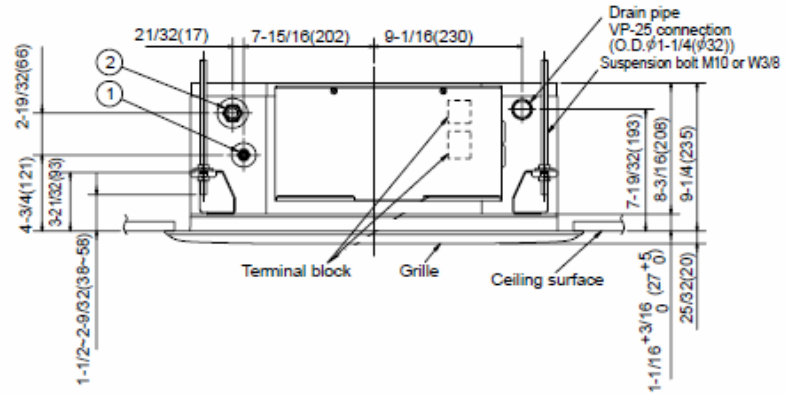
INVERTER

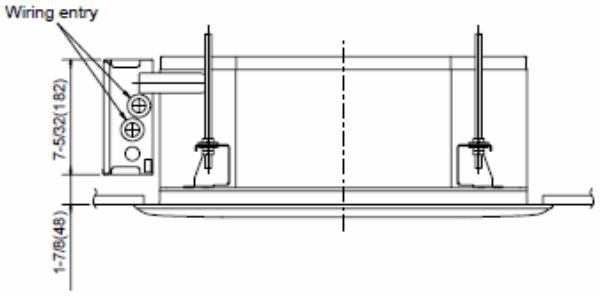
DIMENSIONS: SLZ-KA09NA

Unit : inch (mm)

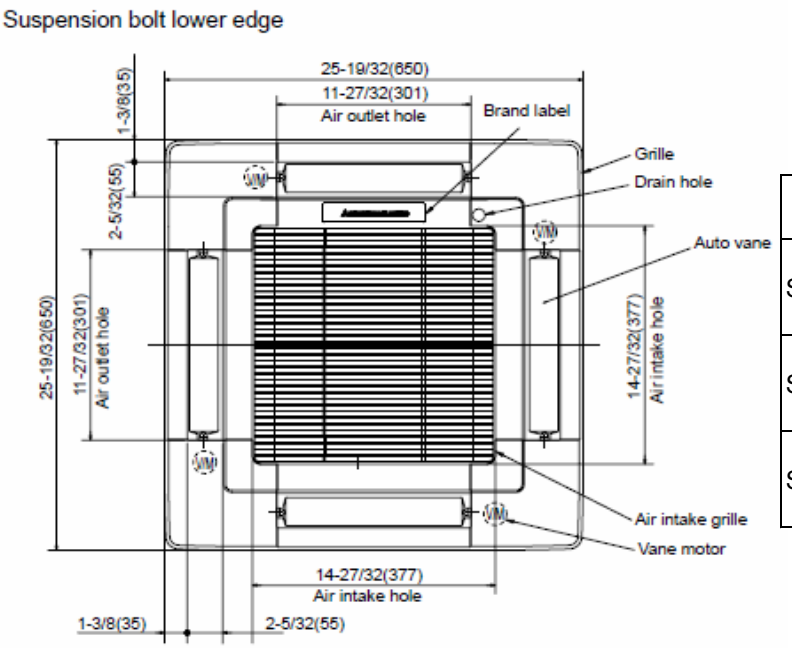








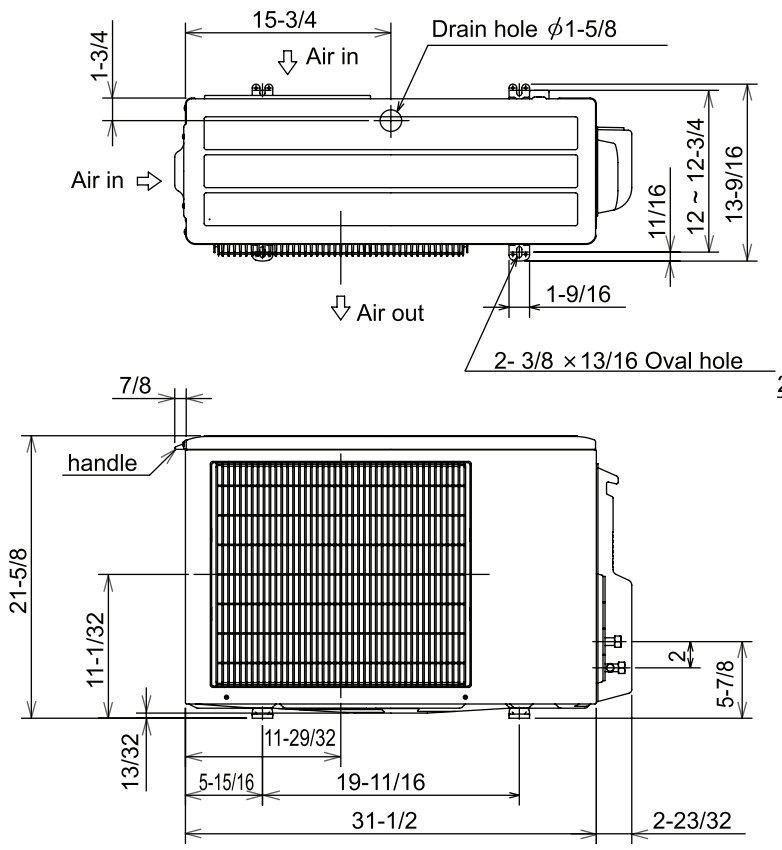
Suspension bolt lower edge

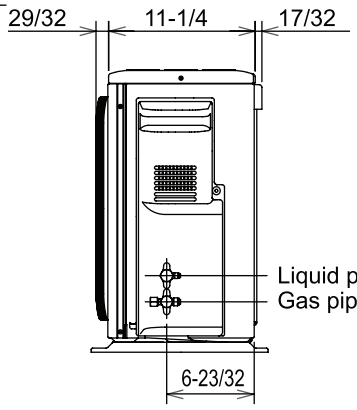


Models	Refrigerant pipe	
	①	②
SLZ-KA09NA	1/4 inch flared connection ϕ6.35 mm	3/8 inch flared connection ϕ9.52 mm
SLZ-KA12NA	1/4 inch flared connection ϕ6.35 mm	3/8 inch flared connection ϕ9.52 mm
SLZ-KA15NA	1/4 inch flared connection ϕ6.35 mm	1/2 inch flared connection ϕ12.7 mm

DIMENSIONS: SUZ-KA09NA

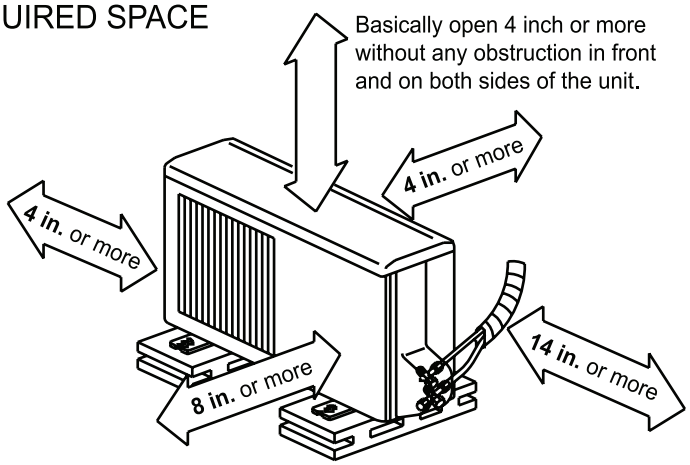
Unit: inch





Liquid pipe :1/4 (flared)
Gas pipe :3/8 (flared) **(KA09/12)**
1/2 (flared) **(KA15)**

REQUIRED SPACE


Basically open 4 inch or more
without any obstruction in front
and on both sides of the unit.
4 in. or more
4 in. or more
8 in. or more
14 in. or more

Open two sides of left,
right, or rear side.

AHRI CERTIFIED™ www.ahridirectory.org
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ENERGY STAR PARTNER

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Specifications are subject to change without notice.

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